

United States of America
Department of Transportation—Federal Aviation Administration
Supplemental Type Certificate

Number SE00252SE

This certificate, issued to **Ly-Con Rebuilding Co.
8231 Doe Avenue
Visalia, CA 93291**

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 13 of the Civil Air Regulations.

Original Product—Type Certificate Number: E-274
Make: Lycoming
Model: O-320-A2B, O-320-A2D, O-320-E2A, O-320-E2B,
O-320-E2C, O-320-E2D, O-320-E2G, O-320-E3D

Description of the Type Design Change: Modification of the above model engines for a 160 horsepower rating on 100/100 LL minimum grade fuel in accordance with Ly-Con Data List dated March 17, 1977, or later FAA approved revision.

Limitations and Conditions: Approval of this change in type design applies to the above model engines, only. This approval should not be extended to other engines of these models on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that engine. A copy of this Certificate and Continuation Sheet dated November 27, 1995, must be maintained as part of the permanent records for the modified engines.

NOTE: Only Wide Cylinder Flange (WCF) engines are eligible for modification under this STC.

(See Page 3 for additional limitations)

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: June 19, 1995

Date reissued:

Date of issuance: November 27, 1995

Date amended:



By direction of the Administrator

[Signature]

(Signature)
Acting Manager, Seattle
Aircraft Certification Office
(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.

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(Continuation Sheet)

Number SE00252SE

Limitations and Conditions continued:

Type Certificate Data Sheet No. E-274 applies to all engines modified under this STC except as noted below:

Rating: Maximum continuous horse power and RPM at Sea Level pressure altitude and full throttle are 160 hp and 2700 RPM respectively.

Takeoff horsepower and RPM at full throttle Sea Level pressure altitude are 160 hp and 2700 RPM respectively.

Fuel: (Minimum grade aviation gasoline) 100/100LL

Compression

Ratio: 8.5 : 1

Weight

Change: +2.3 pounds (CG location unchanged from unmodified engine)

Spark plugs listed on T.C.D.S. E-274 that are approved for 160 H.P. (high compression) engines are required.

- END -

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.